## **CLAIMS**

We claim: 1 Gray cast iron alloy for a friction element of a friction clutch having a 1. friction surface for frictional contact with a clutch disk, wherein the alloy contains: 2 3 3.0 - 3.4 percent by weight C; 4 1.8 – 2.3 percent by weight Si: 0.4 - 0.8 percent by weight Mn; 0.0 - 0.35 percent by weight P: 0.0 - 0.125 percent by weight S; 0.4 - 0.6 percent by weight Mo; and a remainder comprising iron and production-related impurities and/or additives. A friction element for a friction clutch having friction surface for 2. frictional contact with a clutch disk, wherein said friction element is formed of flake graphite 3 alloy comprising: 4 3.0 – 3.4 percent by weight C: 5 1.8 - 2.3 percent by weight Si; 6 0.4 - 0.8 percent by weight Mn; 7 0.0 - 0.35 percent by weight P; 8 0.0 - 0.125 percent by weight S; 9 0.4 - 0.6 percent by weight Mo; and 10 a remainder comprising iron and production-related impurities and/or additives.

1	3. The friction element of claim 2, wherein said friction element comprises
2	a pressure plate.
1	4. The friction element of claim 2, wherein said friction element comprises
2	a flywheel mass part.
1	5. The friction element of claim 2, wherein said friction element comprises
	an intermediate plate of a multidisk clutch.
il Vi	6. The friction element of claim 2, wherein said friction element is cast and
2	stress-relief annealed at a temperature within a range including 450°C to 600°C for a period of
	at least 2.5 hours after casting.
11 12 12 14	7. The friction element of claim 6, wherein said friction element is stress-relief annealed at a temperature within a range including 500°C to 550°C for a period of at
3	least 3 hours.
1	8. The friction element of claim 3, wherein said friction element is cast and
2	stress-relief annealed at a temperature within a range including 450°C to 600°C for a period of
3	at least 2.5 hours after casting.
1	9. The friction element of claim 8, wherein said friction element is stress-
2	relief annealed at a temperature within a range including 500°C to 550°C for a period of at
3	least 3 hours.

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